

**BY ORDER OF THE COMMANDER
HQ 436TH AIRLIFT WING**

**DOVER AIR FORCE BASE INSTRUCTION
32-7002**



21 AUGUST 2012

Civil Engineering

**WASTEWATER DISCHARGE
INSTRUCTION**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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Certified by: 436 CES/CC
(Lt Col Charles Kelm)

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This instruction supplements AFRPD 32-70, Environmental Quality. This instruction establishes base policy and assigns responsibility for wastewater system oversight and operation. The instruction applies to domestic wastewater treatment facilities including but not limited to collection systems, lift stations, septic tanks, primary, secondary, and tertiary wastewater treatment processes; non-domestic waste pretreatment and treatment facilities including but not limited to stormwater, industrial waste streams, oil/water separators, grease traps, and leachate control facilities; and wastewater discharges to collection systems and injection wells. Emphasis will be placed on controlling non-domestic wastewater. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with (IAW) Air Force Manual (AFMAN) 33-363, *Management of Records*, and disposed of IAW with the Air Force Records Information Management System (AFRIMS) located at <https://www.my.af.mil/afirms/afirms/afirms/rims.cfm>. Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using the AF Form 847, *Recommendation for Change of Publication*; route AF Form 847s from the field through the appropriate functional's chain of command.

SUMMARY OF CHANGES

This document has been revised to include only administrative changes which are summarized below. A complete review is not required. Terms and Definitions: Change ECAMP to EOH CAMP - Environmental Occupational Health Compliance Assessment and Management

Program. There were paragraphs removed and changes made to the following paragraphs: Removed 3.8. Certification of wastewater treatment facility system operators is normally required by state regulations if the on-site sewage disposal system scores fifteen (15) points or more. DAFB is exempt from licensing requirements per the above regulation because it is an on-site sewage disposal system scoring less than fifteen (15) points. 3.10. Added Publicly Owned Treatment Works (POTW). 4.2.1.7. Added Industrial Wastewater System (IWS). Removed 4.2.2.2. Provides in-house personnel to conduct routine inspections, maintenance and minor repairs to the sanitary sewer system. 4.2. Changed 436 MSG/CE to 436 CES. 4.2.1., 4.3.1., 4.4.2., 4.4.4., 4.4.5. and 4.4.6.: Changed 436 MSG/CEAN to 436 CES/CEAN. 4.2.2.: Changed 436 MSG/CEO to 436 CES/CEO

1. Purpose. An effective base program for controlling wastewater collection, treatment, and disposal requires the full support and cooperation of activities that generate wastewater. This instruction:

- 1.1. Outlines interaction with various base environmental plans.
- 1.2. Outlines a scoping process for identifying and characterizing waste from point sources on base and implementing a waste minimization, control, and treatment program to reduce and prevent pollution.
- 1.3. Prescribes collection, segregation, and disposal procedures for special waste and treatment or pretreatment of domestic and non-domestic waste.
- 1.4. Outlines procedures for monitoring, testing, and reporting to regulatory agencies.
- 1.5. Designates offices of primary responsibility for various tasks.

2. Scope:

- 2.1. This instruction is consistent with and augments the following base plans:
 - 2.1.1. Oil and Hazardous Substance Spill Prevention and Response Plan, DAFB OPlan 32-7
 - 2.1.2. Hazardous Waste and Used Petroleum Management Plan, DAFB OPlan 32-3
- 2.2. This instruction is consistent with and augments the following Civil Engineering Operational plans:
 - 2.2.1. Oil/Water Separator Management Plan
 - 2.2.2. Storm water Pollution Prevention Plan

3. Policy: Base policy is as follows:

- 3.1. Comply with Federal, interstate, state, and local requirements pertaining to permitting, managing, treating, and discharging of wastewater. The above requirements take precedence if they conflict with this instruction. Assure timely submission of monitoring reports and reply to correspondence from regulatory agencies to avoid regulatory noncompliance and to maintain good working relations with the regulatory community.
- 3.2. Ensure and implement BMPs for collection of wastewater and operation of wastewater treatment systems. Eliminate unpermitted discharges and cross-connections between wastewater and storm water collection systems.

- 3.3. Consider the long-term risk to the human and natural environment when making wastewater management decisions to include environmental impact analysis and life cycle management costs.
- 3.4. Minimize the treatment of wastewater, using wastewater characterization to determine the level of treatment needed for each waste generation point.
- 3.5. Develop consistent base-wide approaches to wastewater management which apply to all base and tenant organizations.
- 3.6. Enforce wastewater discharge policies through use of source monitoring, shop surveys, and administrative action to prevent treatment system interruptions and discharge violations.
- 3.7. Use prudent inspection, operation, and preventive maintenance practices to maximize treatment effectiveness, minimize costs and eliminate noncompliance of discharge limitations.
- 3.8. Utilize waste minimization source reduction techniques and wastewater pretreatment at or near the waste generation point to the extent needed to protect collection, treatment, and disposal facilities and processes from damage, upset, excessive cost, or discharge violations. Where feasible, source waste reduction through material substitution, process change and/or administrative change shall be preferred over pretreatment.
- 3.9. Utilize BMPs and accepted engineering approaches at the waste generation point to eliminate pollutant slug-loading at the wastewater treatment plant.
- 3.10. Utilize Publicly Owned Treatment Works (POTW) services for regional or municipal wastewater treatment where practical and to the advantage of the government.

4. Organizational Responsibilities:

4.1. 436 AW/CC

- 4.1.1. Acts as ESOH chairperson or appoints acting chairperson.
- 4.1.2. Provides direction through ESOH to develop and maintain plans and regulations with specific guidelines for base environmental concerns.

4.2. 436 CES

4.2.1. Thru 436 CES/CEAN

- 4.2.1.1. Establishes and publishes technical policy.
- 4.2.1.2. Provides guidance to base organizations for collection, treatment, storage, and disposal of non-domestic waste.
- 4.2.1.3. Ensures wastewater facilities are in compliance with regulatory requirements.
- 4.2.1.4. Reviews operating records, inspection reports, special studies, and Notices of Violation; determines corrective action needed and prepares projects for corrective action.
- 4.2.1.5. Maintains and updates the Oil/Water Separator Management Plan.
- 4.2.1.6. Prepares all permit applications and associated correspondence when required.

- 4.2.1.7. Maintain records of former Industrial Wastewater System (IWS) operation and inspections to include monitoring results as long as applicable regulations require.
- 4.2.1.8. Uses BMPs and sound engineering principles to eliminate cross-connections, minimize slug loading of treatment facilities and ensure efficient operation and maintenance of treatment systems.
- 4.2.1.9. Coordinates negotiations for regional treatment connection and pretreatment requirements.
- 4.2.1.10. Coordinates with 436 AMDS/SGPB in performing necessary sampling.
- 4.2.1.11. Submits all required sampling reports to appropriate agencies.
- 4.2.2. Thru 436 CES/CEO
 - 4.2.2.1. Assures that appropriate priorities are assigned to all work orders to correct operating deficiencies.
- 4.2.3. Thru 436 CES/CEP
 - 4.2.3.1. Prepares all documents required to procure contract operations and provide contract oversight related to sanitary sewer maintenance projects.
- 4.3. 436 AMDS/CC thru AMDS/SGPB
 - 4.3.1. Coordinates with CES/CEAN and collects samples as necessary.
 - 4.3.2. Reviews waste streams during shop surveys and evaluates content for potential noncompliance.
 - 4.3.3. Upon request from an organization that generates non-domestic wastewater, performs shop survey and analysis of constituents entering the sanitary sewer.
- 4.4. Generating Activity
 - 4.4.1. Complies with established environmental policy and practices.
 - 4.4.2. Contacts 436 CES/CEAN for guidance in disposing of all non-domestic waste generated.
 - 4.4.3. Controls discharge or disposal of all non-domestic waste generated. This includes assuring all floor cleaning detergents have been diluted to the proper ratio before being applied.
 - 4.4.4. Generating Activities which discharge to an Oil/Water Separator must notify 436 CES/CEAN what will be discharged to the sanitary sewer system via the Oil/Water Separator.

4.4.5. Generating Activities which do not discharge via an Oil/Water Separator must notify 436 CES/CEAN what will be discharged via the sanitary sewer.

4.4.6. Notify 436 CES/CEAN of any spills or discharges of any waste stream not permitted to enter the sanitary sewer.

MARK D. CAMERER, Colonel, USAF
Commander, 436th Airlift Wing

Attachment 1**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

DOVERAFBI 32-7002, *Wastewater Discharge Instruction*, 17 March 2009

Prescribed Forms

There are no Prescribed Forms in this publication.

Adopted Forms

AF Form 847, *Recommendation for Change of Publication*

Abbreviations and Acronyms

AW—Air Wing

BMP—Best Management Practice

CC—Commander

CE—Civil Engineering

CFR—Code of Federal Regulations

DAFB—Dover Air Force Base

DNREC—Delaware Department of Natural Resources and Environmental Control

EOHCAMP—Environment Occupational Health Compliance Assessment and Management Program

EPA—U.S. Environmental Protection Agency

ESOH—Environmental, Safety and Occupational Health Council

IWS—Industrial Wastewater System

NPDES—National Pollutant Discharge Elimination System

POTW—Publicly Owned Treatment Works

TBD—To Be Determined